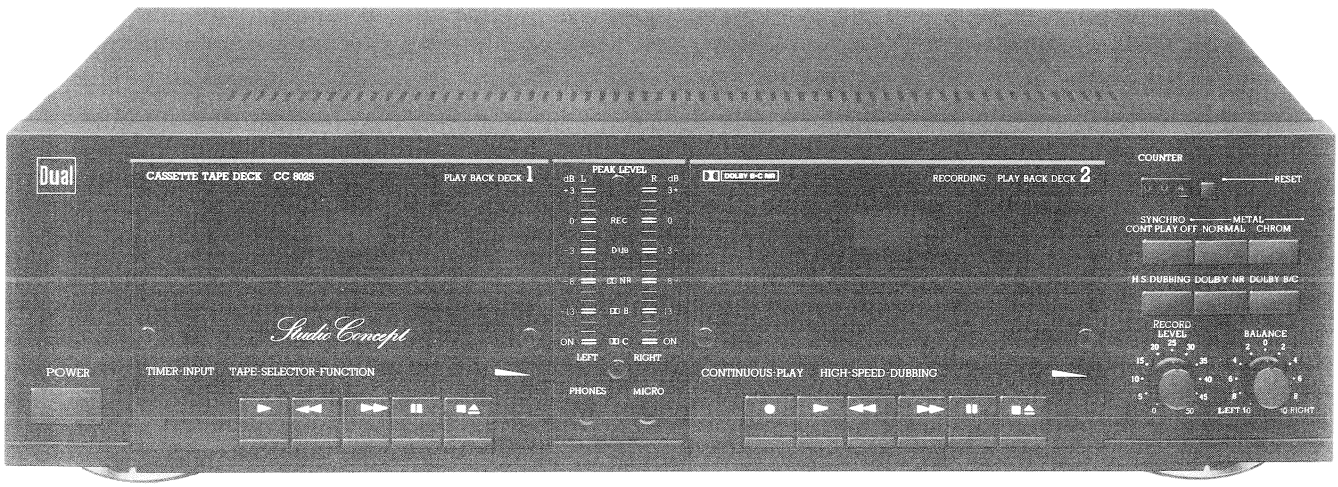
Service-Anleitung
Service Manual
Instructions de Service

CC 8025



Technische Daten (typische Werte)	**Specifications** (typical values)	**Caractéristiques techniques** (valeurs types)	**Dati tecnici** (valori tipici)	**Dual CC 8025**
Bandgeschwindigkeit	**Tape speed**	**Vitesse de bande**	**Velocità del nastro**	4,75 cm/sec.
Tonhöhenschwankungen W.R.M.S. DIN-Aufnahme/Wiedergabe	**Wow and flutter** W.R.M.S. DIN record/playback	**Variations de tonalité** W.R.M.S. Enregistrement/lecture DIN	**Fluttuazioni nell'altezza del tono** W.R.M.S. secondo DIN registrazione/riproduzione	± 0,08 % ± 0,12 %
Übertragungsbereich (bezogen auf DIN-Toleranzfeld)	**Frequency response** (referred to DIN tolerance)	**Plage de transmission** (par rapport à la zone de tolérance DIN)	**Banda di frequenza** (relativo al campo di tolleranza DIN)	
Fe-Band CrO_2-Band Reineisenband	Fe tape CrO_2 tape Metal tape	Bande Fe Bande CrO_2 Bande fer pur	nastro Fe nastro CrO_2 nastro ferro puro	25–15000 Hz 25–16000 Hz 25–16000 Hz
Rauschspannungsabstand mit Dolby NR Fe-Band CrO_2-Band Reineisenband	**Signal/noise ratio** with Dolby NR Fe tape CrO_2 tape Metal tape	**Rapport signal/bruit pondéré** avec Dolby NR Bande Fe Bande CrO_2 Bande fer pur	**Rapporto segnale/disturbi** con Dolby NR nastro Fe nastro CrO_2 nastro ferro puro	B C 62 dB 69 dB 64 dB 71 dB 65 dB 72 dB
Übersprechdämpfung (bei 1000 Hz) zwischen zusammengehörigen Kanälen zwischen Kanälen in Gegenrichtung	**Crosstalk attenuation** (at 1000 Hz) between stereo channels in opposite direction	**Diaphonie** (à 1000 Hz) entre canaux homogènes entre canaux opposés	**Diafonia** (a 1000 Hz) con l'altra traccia stereo con la controtraccia	 40 dB 75 dB
Umspulzeit (C 60-Cassetten)	**Rewind time** (C 60 cassettes)	**Durée de bobinage** (Cassettes C 60)	**Tempo di ribobinatura** (per cassette C 60)	100 sec.
Netzspannung Model Europa Model USA/Kanada	**Mains voltage** European model US/Canadian model	**Tension secteur** Modèle Europe Modèle USA/Canada	**Tensione di rete** modello Europa model Stati Uniti/Canada	 230 V / 50 Hz 120 V / 60 Hz
Maße (Breite × Höhe × Tiefe	**Dimensions** (width × height × depth)	**Dimensions** (largeur × hauteur × profondeur)	**Dimensioni** (larghezza × altezza × profondità)	440 × 122 × 245 mm

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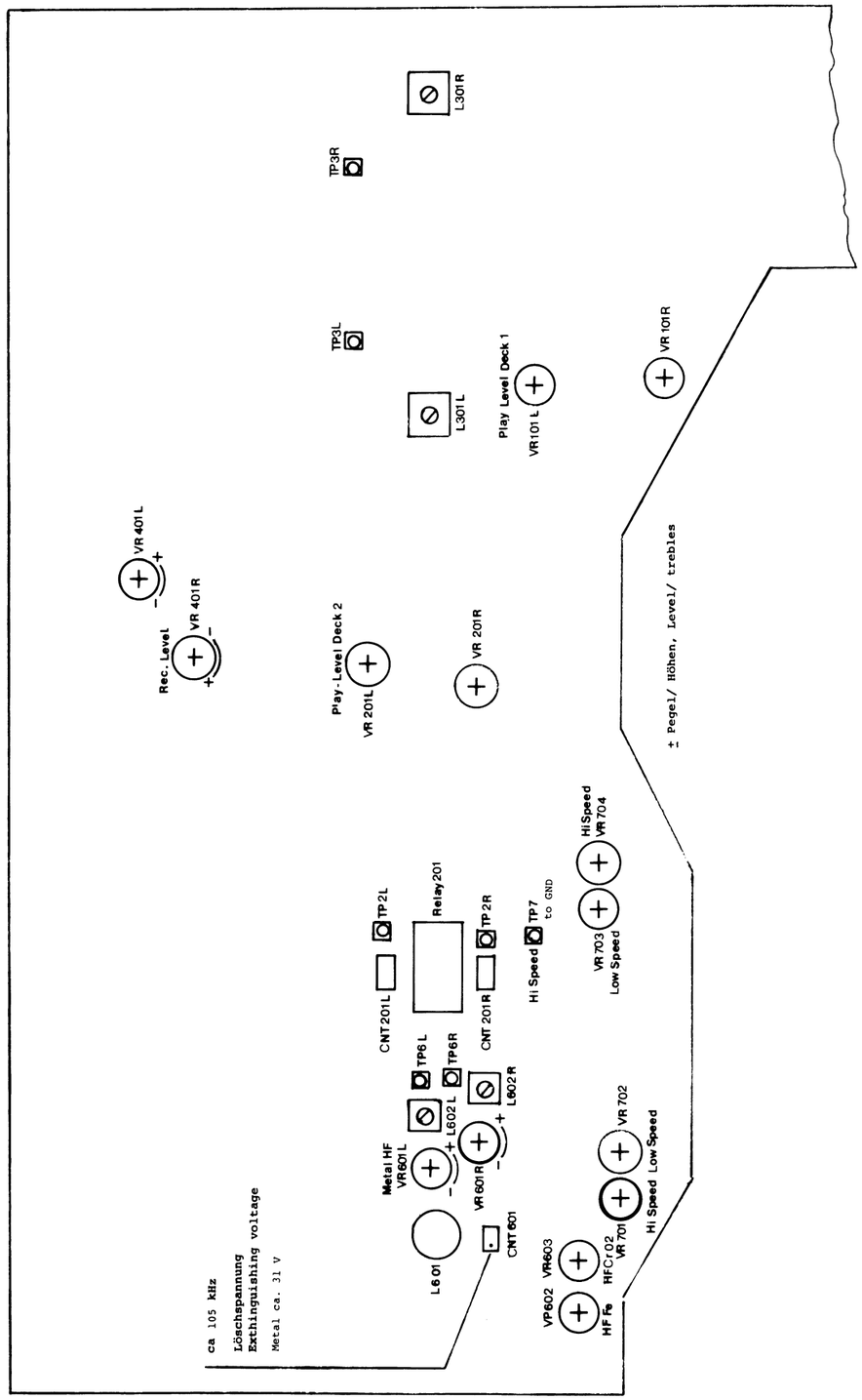
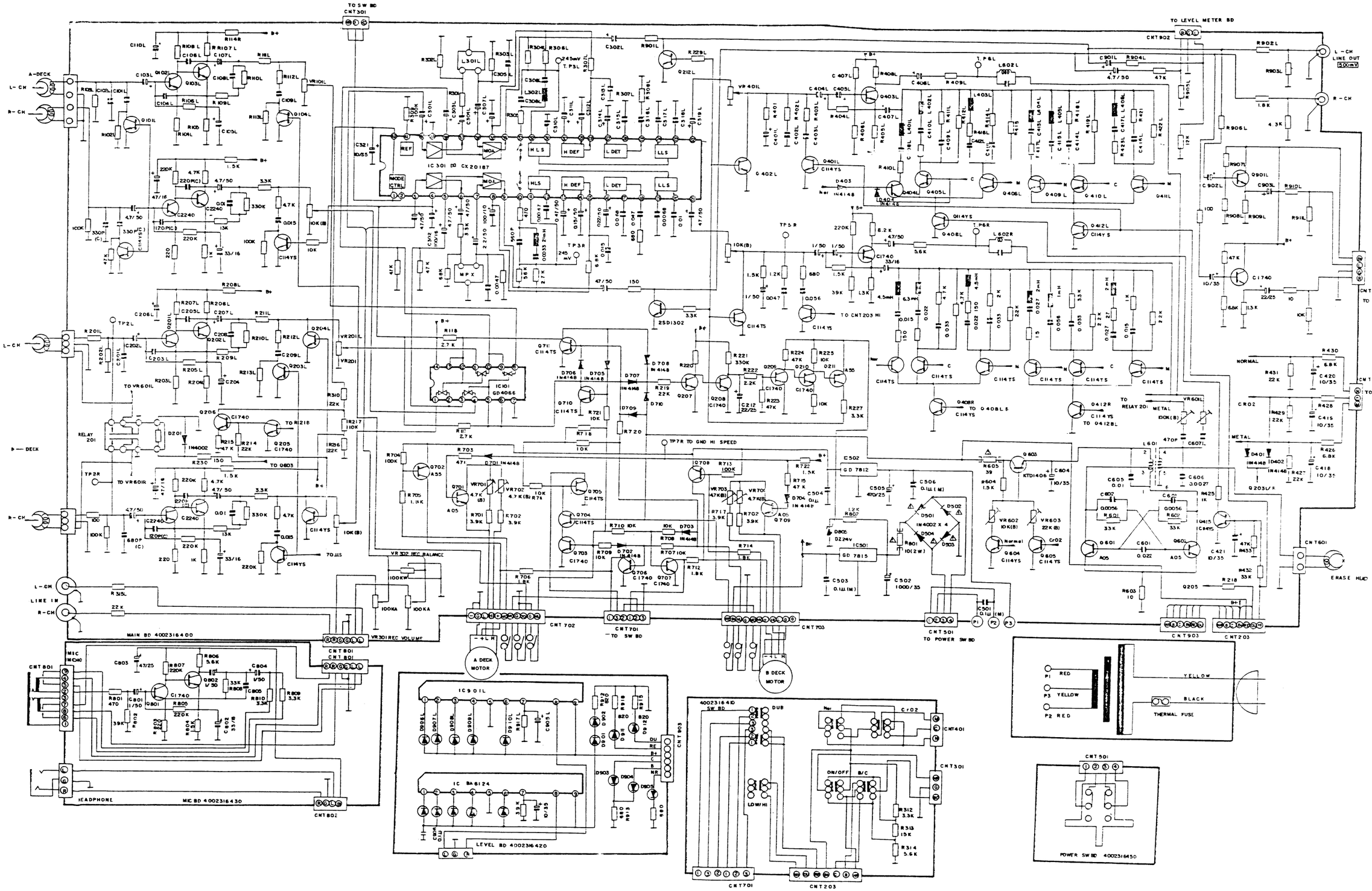
Abgleichanleitung CC 8025

Signalquelle	Einstellung Gerät	Einstellung Signalquelle	Anzeigegerät Anschluß	Abgleichposition	Abgleich, Bemerkung
Azimut			Deck 1+2		Cassettenschachtdeckel nach oben abziehen
Meßcassette	Dolby: OFF Normal: ON	10 kHz	NF-Voltmeter an OUTPUT	Azimut-Schraube links neben dem Kopf	Maximum mit Lack sichern
Bandgeschwindigkeit			Deck 1+2		Achtung: Low Speed zuerst einstellen
Meßcassette	Normal: ON	3150 Hz	Frequenzzähler an OUTPUT	Deck 1 VR 702 Deck 2 VR 703	3150 Hz
				Deck 1 VR 701 Deck 2 VR 704	TP Hi Speed an Masse 4750 Hz
Wiedergabepegel			Deck 1+2		
Meßcassette Dolby Pegel	Normal: ON Dolby: OFF	400 Hz	NF-Voltmeter an OUTPUT	Deck 1 VR 102 L+R	500 mV
				Deck 2 VR 201 L+R	
Aufnahmepegel			Deck 2		
NF-Generator an INPUT LEFT/RIGHT	Dolby: OFF Record: ON Metal: ON Metal Tape	400 Hz ca. 80 mV	NF-Voltmeter an OUTPUT	Record Levelsteller Maximum	500 mV
				VR 401 L+R	500 mV bei Play
HF-Vormagnetisierung					
NF-Generator an INPUT LEFT/RIGHT	Dolby: OFF Record: ON Metal Tape Cr_2 Tape Fe Tape	10 kHz ca. 80 mV – 20 dB	NF-Voltmeter an OUTPUT	Record Levelsteller Maximum	50 mV
				VR 601 L+R VR 603 VR 602	50 mV 45 mV 45 mV bei Play
Nach dem Einstellen der Vormagnetisierung ist nochmals der Aufnahmepegel zu überprüfen. Bei Abweichungen (über 1 dB) ist der Abgleich, Aufnahmepegel, HF-Vormagnetisierung nochmals zu wiederholen.					
HF-Oszillator					
Cassette	Record: ON Metal: ON		NF-Voltmeter an CNT 601	L 601	ca. 105 kHz
HF-Sperrkreis					
Cassette	Record: ON Metal: ON		NF-Voltmeter an TP 6 L+R	L 602 L+R	Minimum
19 kHz Pilot-Signal-Filter					
NF-Generator an INPUT LEFT/RIGHT	Dolby: OFF Record: ON Fe Tape	400 Hz ca. 80 mV 19 kHz	NF-Voltmeter an OUTPUT	Record Levelsteller Maximum	500 mV (bei 400 kHz)
				L 301 L+R	Minimum (bei 19 kHz)

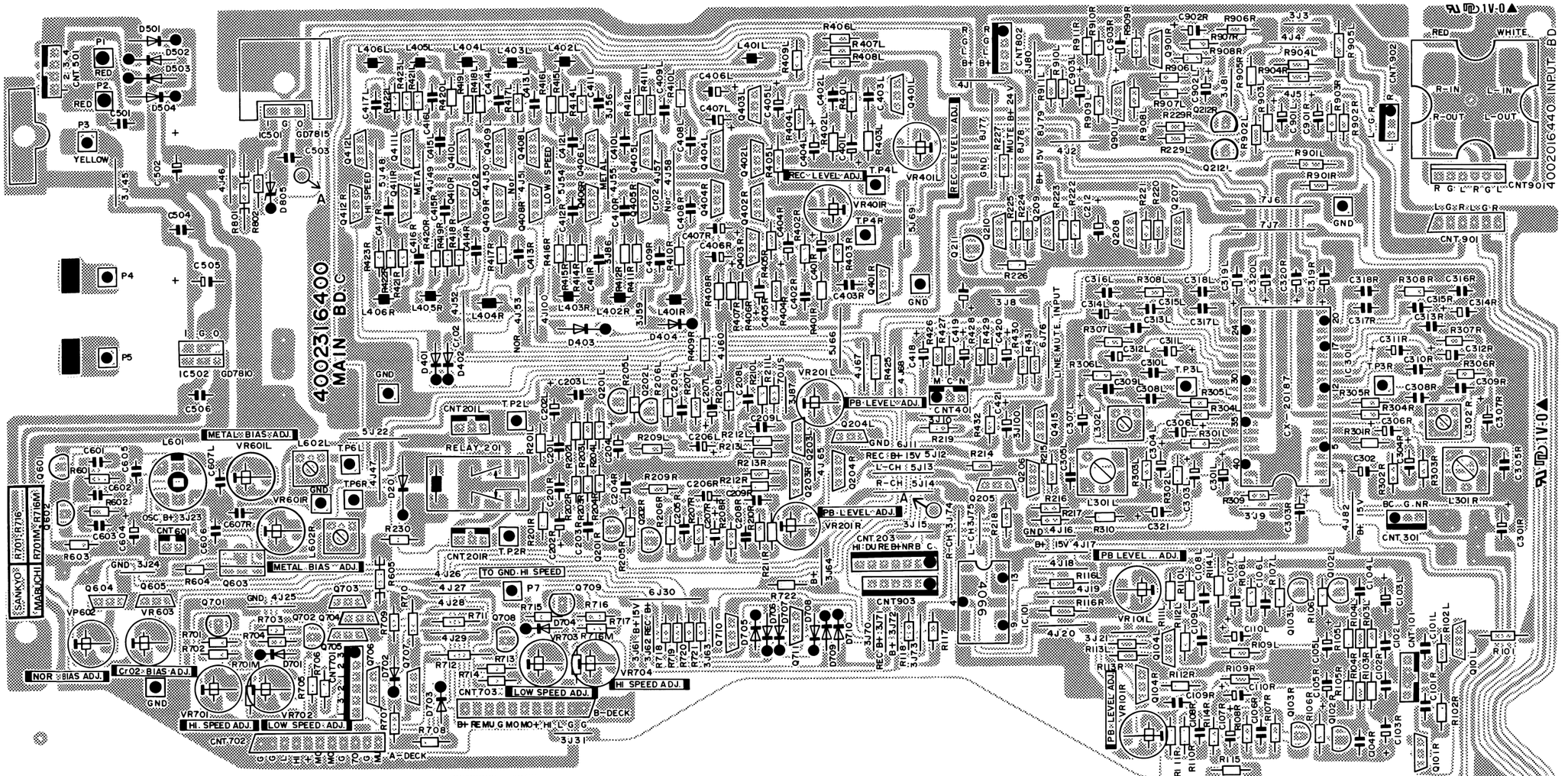
Tuning Instructions for CC 8025

Signal source	Equipment setting	Signal source setting	Connection of measuring instrument	Item to be tuned	Tuning, Remarks
Azimuth			Deck 1 + 2		(lift off cassette slot cover)
Test cassette	Dolby: OFF Normal: ON	10 kHz	AF voltmeter to OUTPUT	Azimuth screw to left of the head	Use lacquer to fix at maximum
Tape speed			Deck 1 + 2		Note: Set Low Speed first
Test cassette	Normal: ON	3150 Hz	Frequency counter to OUTPUT	Deck 1 VR 702 Deck 2 VR 703	3150 Hz
				Deck 1 VR 701 Deck 2 VR 704	TP Hi-Speed to earth 4750 Hz
Playback level			Deck 1 + 2		
Test cassette Dolby level	Normal: ON Dolby: OFF	400 Hz	AF voltmeter to OUTPUT	Deck 1 VR 102 L+R	500 mV
				Deck 2 VR 201 L+R	
Recording level			Deck 2		
AF generator to INPUT LEFT/RIGHT	Dolby: OFF Record: ON Metal: ON Metal tape	400 Hz approx. 80 mV	AF voltmeter to OUTPUT	Record level control maximum	500 mV
				VR 401 L+R	500 mV (during play)
RF premagnetization					
AF generator to INPUT LEFT/RIGHT	Dolby: OFF Record: ON Metal tape CRO_2 tape Fe tape	10 kHz approx. 80 mV -20 dB	AF voltmeter to OUTPUT	Record level control maximum	50 mV
				VR 601 L+R VR 603 VR 602	50 mV 45 mV 45 mV during play
Check the recording level again after setting the premagnetization. If it deviates (by more than 1 dB), repeat tuning, recording level and RF premagnetization.					
RF oscillator					
Cassette	Record: ON Metal: ON		AF voltmeter to CNT 601	L 601	approx. 105 kHz
RF trap					
Cassette	Record: ON Metal: ON		AF voltmeter to TP 6 L+R	L 602 L+R	Minimum
19-kHz pilot-signal filter					
AF generator to INPUT LEFT/RIGHT	Dolby: OFF Record: ON Fe tape	400 Hz approx. 80 mV 19 kHz	AF voltmeter to OUTPUT	Record level control maximum	500 mV (at 400 kHz)
				L 301 L+R	Minimum (at 19 kHz)

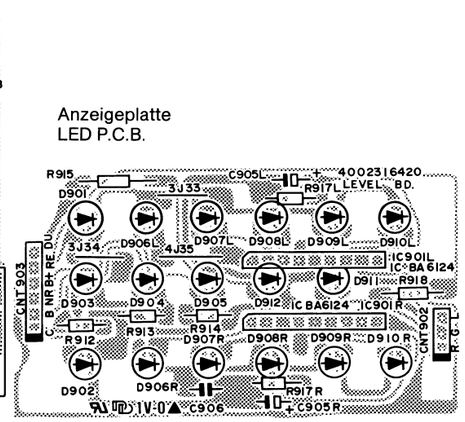



TO SW BD CMT301
TO LEVEL METER BD
CMT902
A-DECK
L-CH
R-CH
IC 301 CX20187
REF
MOA
H LS
H DEF
L DET
LLS
MODE CTRL
MPX
TP1L
TP2L
TP3R
TP5R
TP6L
TP6R
TP7R TO GND HI SPEED
VR401L
VR201L
VR201
VR601L
VR601R
TO VR601L
TO VR601R
TO CMT203 HI
TO 0408LB
TO 0412L
TO RELAY 201
TO 0603
TO R218
RELAY 201
D-DECK
IC101 GD4066
IC 9011L
IC BA6124
LEVEL BD 4002316420
VR302 REC BALANCE
VR301 REC VOLUME
MAIN BD 4002316400
MIC BD 4002316430
MIC IN
LINE IN
HEADPHONE
CNT801
CNT802
CNT702
CNT701
CNT703
CNT501
CNT903
CNT203
CNT401
CNT301
CNT601
A DECK MOTOR
B DECK MOTOR
TO SW BD
TO POWER SW BD
TO METER BD
ERASE HEAD
L-CH LINE OUT 500mV
R-CH
NORMAL
METAL
4002316410 SW BD
DUB
ON/OFF
B/C
LOW/HI
P1 RED
P3 YELLOW
P2 RED
YELLOW
BLACK
THERMAL FUSE
POWER SW BD 4002316450

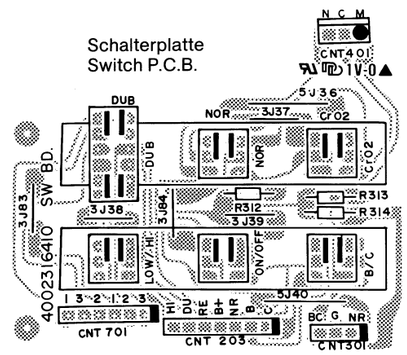
Grundplatte
Main P.C.B.

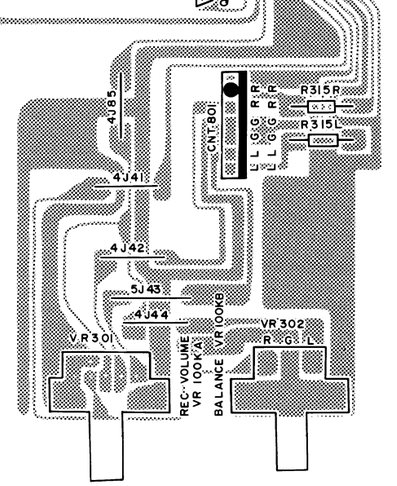


Anzeigeplatte
LED P.C.B.

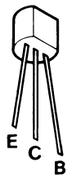


Schalterplatte
Switch P.C.B.

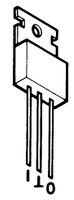




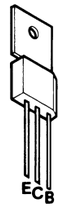
MPS A 55
MPS A 05



KTC 2240 BL
2 SC 1740 S



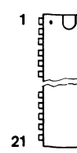
IC 6D 7815



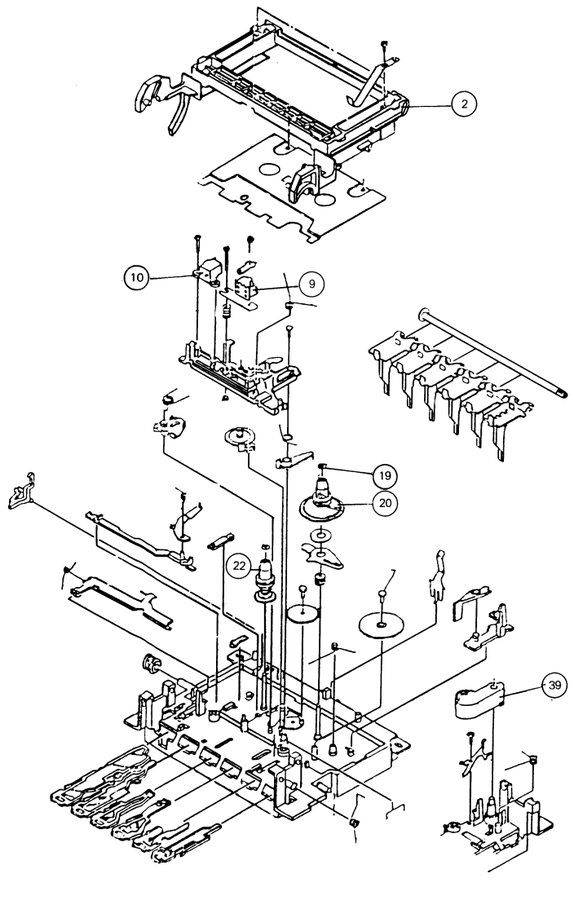
KTD 1406 Y

DTC 114 YS
DTC 114 TS

IC GD 4066



IC CX 20187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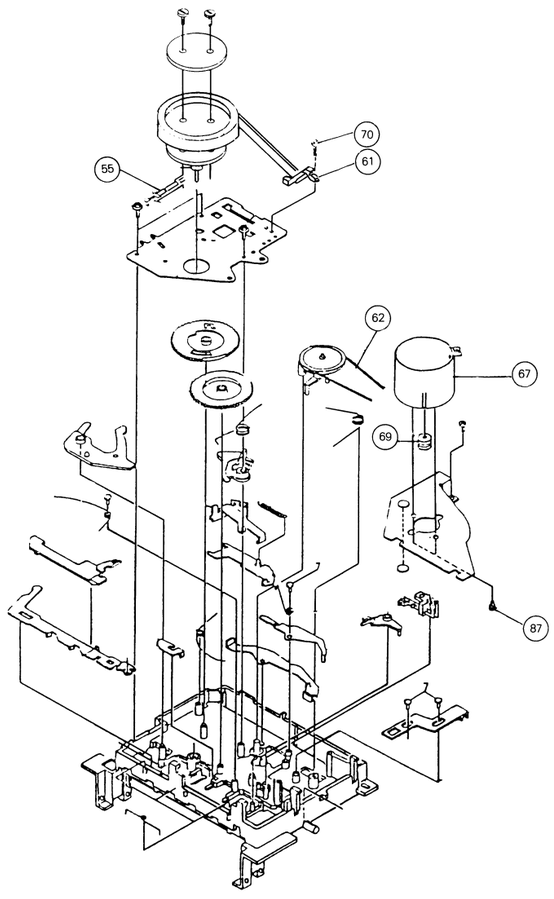
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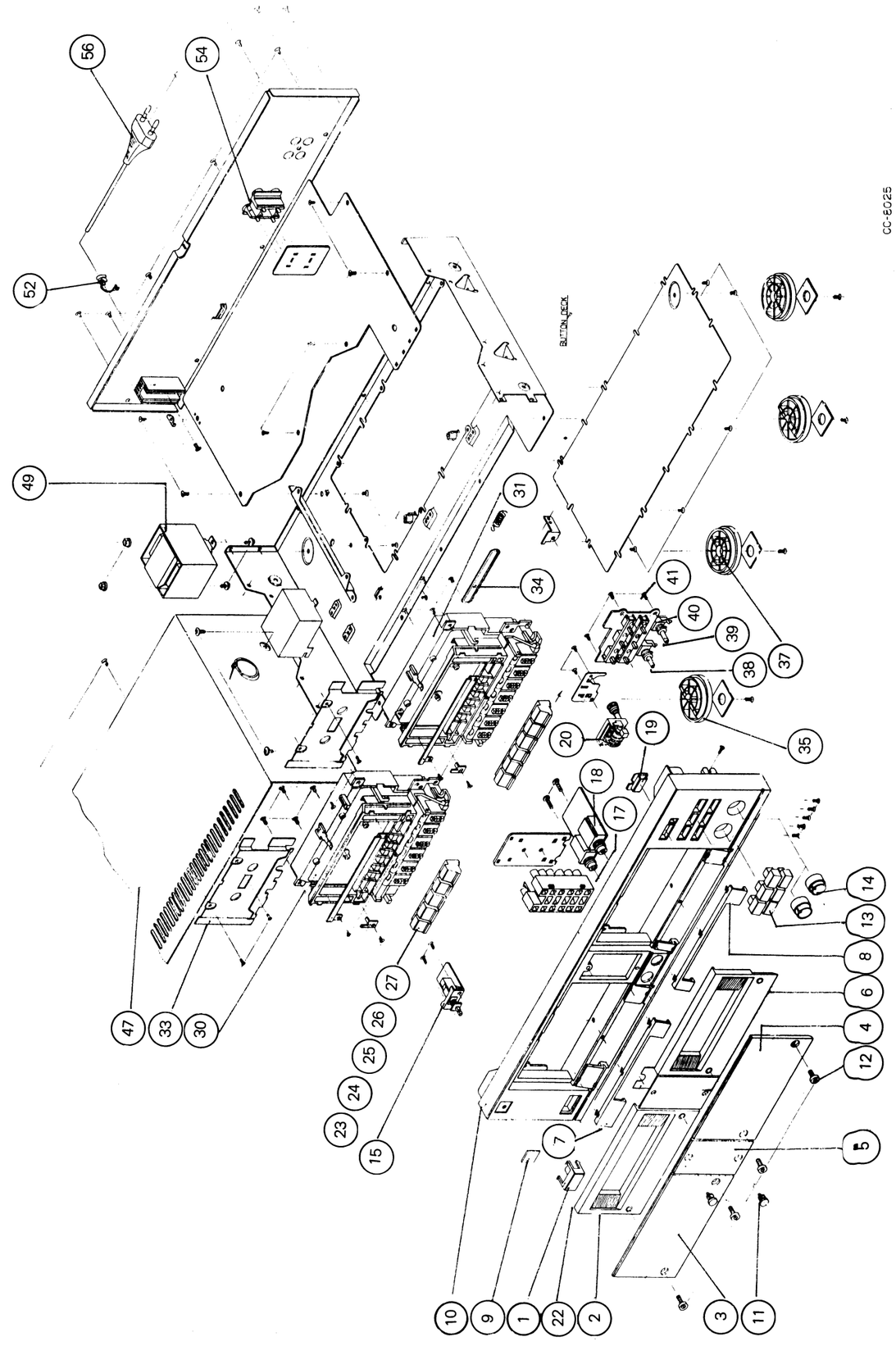
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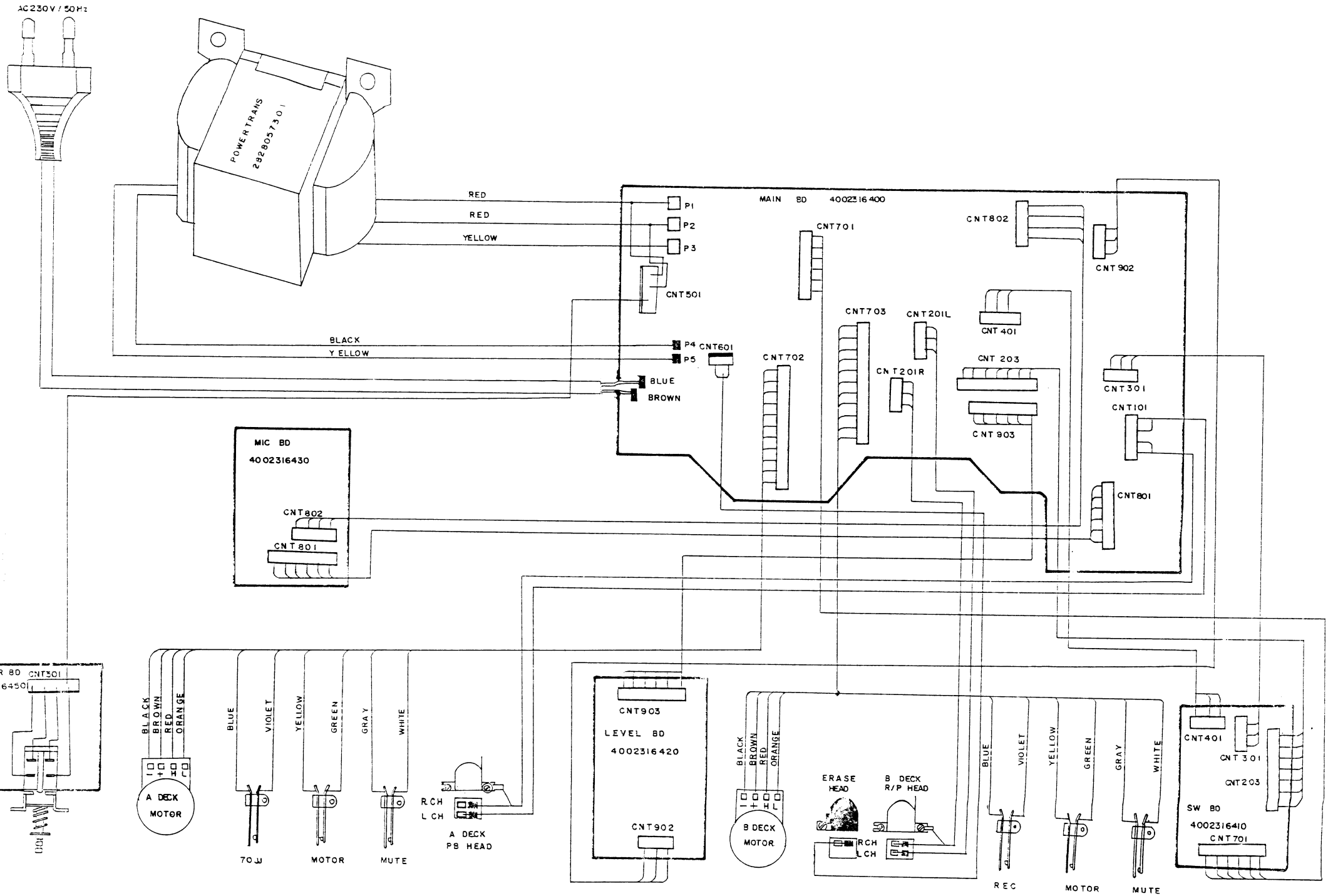
2
3
11
BUTTON DECK

CC-6025

Ersatzteile · Replacement parts · Pièces détachées · CC 8025

Pos.	Art.-Nr.	Bezeichnung
1	283665	Netztaste
2	284665	Cassettenblende
3	284666	Fenster A
4	284667	Fenster B
5	284347	Fenster
6	284346	Anzeigeplatte
7	283683	Abdeckung A
8	283684	Abdeckung B
9	283750	Dual-Zeichen
10	284854	Frontblende CC 8025
11	284855	Halter
12	284773	Schraube
13	283686	Taste
14	283661	Drehknopf
15	283701	Schalter
17	283705	Kopfhörerbuchse
18	283704	MIC-Buchse
19	284348	Zähler Fenster
20	283687	Zähler
22	283682	Dämpfungsfolie
23	283690	Taste (Play)
24	283691	Taste (Rew)
25	283692	Raste (FF)
26	283694	Taste (Eject/Stop)
27	283693	Taste (FF)
28	283695	Taste (Rec)
30	283688	Mechanik 1
31	283689	Mechanik 2
33	284856	Abdeckung
34	284857	Riemen
35	283681	Gerätefuß vorne
37	283710	Gerätefuß hinten
38	284349	Steller
39	283698	Steller Balance
40	283702	Schalter 3-fach
41	283703	Schalter 3-fach
49	283685	Netztrafo
52	237548	Kabeldurchführung
54	283670	Cinchbuchse
56	243750	Netzkabel Europa
		Mechanik 1
2	282478	Cassettenschacht
9	284859	AW-Kopf
19	244861	Scheibe
20	284862	Mitnehmer
22	284863	Mitnehmer
39	284864	Andruckrolle
55	284866	Schalter
61	284868	Schalter
62	284869	Riemen
67	282494	Motor
69	284870	Andruckrolle
70	284671	Taste Eject
87	284873	Schalter
		Mechanik 2
2	282478	Cassettenschacht
9	284859	AW-Kopf
10	284860	Lösch-Kopf
19	284861	Scheibe
20	284862	Mitnehmer
22	284863	Mitnehmer
39	284864	Andruckrolle
55	284865	Schalter
61	284867	Schalter
62	284869	Riemen
67	284494	Motor
69	284870	Andruckrolle
70	284871	Riemen
78	284872	Schalter
87	284873	Schalter
		Grundplatte
L 301 L/R	284851	Spule MPX 105 kHz
L 302 L/R	282367	Spule 21 MH
L 401 L/R	282368	Spule 4,5 MH
L 402 L/R	282370	Spule 6,3 MH

Pos.	Art.-Nr.	Bezeichnung
L 403 L/R	282368	Spule 4,5 MH
L 404 L/R	282502	Spule 2,0 MH
L 405 L/R	284853	Spule 1 MH
L 406 L/R	282502	Spule 2,0 MH
L 601	284851	Spule MPX 105 kHz
L 602 L/R	284852	Spule MPX TRAP 105 kHz
D 201	226501	Diode 1 N 4002
D 401	223906	Diode 1 N 4148
bis		
D 404	223906	Diode 1 N 4148
D 501	226501	Diode 1 N 4002
bis		
D 504	226501	Diode 1 N 4002
D 701	223906	Diode 1 N 4148
bis		
D 710	223906	Diode 1 N 4148
D 805	282098	Diode DZ 24 BM
IC 101	283697	IC GD 4066
IC 301	282360	IC CX 20187
IC 501	283679	IC GD 7815
IC 502	287242	IC MC 7812
Q 101 L/R	283699	Transistor DTC 114 YS
Q 102 L/R	282052	Transistor KTC 2240 BL
Q 103 L/R	282052	Transistor KTC 2240 BL
Q 104 L/R	283699	Transistor DTC 114 YS
Q 201 L/R	282052	Transistor KTC 2240 BL
Q 202 L/R	282052	Transistor KTC 2240 BL
Q 203 L/R	283699	Transistor DTC 114 YS
Q 204 L/R	283699	Transistor DTC 114 YS
Q 205	269146	Transistor 2 SC 1740 S
bis		
Q 210	269146	Transistor 2 SC 1740 S
Q 211	282060	Transistor MPS A 55
Q 212 L/R	274774	Transistor 2 SD 1302
Q 401 L/R	283699	Transistor DTC 114 YS
Q 402 L/R	283699	Transistor DTC 114 YS
Q 403 L/R	269146	Transistor 2 SC 1740 S
Q 405	283700	Transistor DTC 114 TS
Q 406 L/R	283700	Transistor DTC 114 TS
Q 408	283700	Transistor DTC 114 TS
bis		
Q 412 L/R	283700	Transistor DTC 114 TS
Q 412 L/R	283699	Transistor DTC 114 YS
Q 415	283699	Transistor DTC 114 YS
Q 601	282059	Transistor MPS A 05
Q 602	282059	Transistor MPS A 05
Q 603	283696	Transistor KTD 1406 Y
Q 604	283699	Transistor DTC 114 YS
Q 605	283699	Transistor DTC 114 YS
Q 701	282059	Transistor MPS A 05
Q 702	282059	Transistor MPS A 05
Q 703	283700	Transistor DTC 114 TS
Q 704	283700	Transistor DTC 114 TS
Q 705	269146	Transistor 2 SC 1740 S
bis		
Q 707	269146	Transistor 2 SC 1740 S
Q 708	282060	Transistor MPS A 55
Q 709	282059	Transistor MPS A 05
Q 710	283700	Transistor DTC 114 TS
Q 711	283700	Transistor DTC 114 TS
Q 910 L/R	269146	Transistor 2 SC 1470 S
Relay 201	282176	Relay RZ 12
		MIC-Platte
Q 801	269146	Transistor 2 SC 1740 S
Q 802	269146	Transistor 2 SC 1740 S
		Anzeigeplatte
D 901	282375	LED LSR 54 GC
bis		
D 905	282375	LED LSR 54 GC
D 906	282375	LED LSR 54 GC
bis		
D 909 L/R	282375	LED LSR 54 GC
D 910 L/R	282351	LED LSR 54 URC 3
D 911	282351	LED LSR 54 URC 3
D 912	282351	LED LSR 54 URC 3
IC 901 L/R	282453	IC BA 6124


AC230V / 50Hz
POWER TRANS
2928037301
RED
RED
YELLOW
BLACK
YELLOW
BLUE
BROWN
P1
P2
P3
P4
P5
CNT501
CNT601
MAIN BD 4002316400
CNT701
CNT702
CNT703
CNT201L
CNT201R
CNT802
CNT902
CNT401
CNT203
CNT903
CNT301
CNT101
CNT801
MIC BD
4002316430
CNT802
CNT801
POWER BD CNT301
4002316450
BLACK
BROWN
RED
ORANGE
A DECK
MOTOR
BLUE
VIOLET
YELLOW
GREEN
GRAY
WHITE
70Ω
MOTOR
MUTE
RCH
LCH
A DECK
PB HEAD
CNT903
LEVEL BD
4002316420
CNT902
BLACK
BROWN
RED
ORANGE
B DECK
MOTOR
ERASE
HEAD
B DECK
R/P HEAD
RCH
LCH
BLUE
VIOLET
YELLOW
GREEN
GRAY
WHITE
REC
MOTOR
MUTE
CNT401
CNT301
CNT203
SW BD
4002316410
CNT701